

IN THE CLAIMS

1. (cancelled)

2. (currently amended) A data transmission control method, ~~comprising: according to claim 1, characterized in that repetitively transferring a cyclic data unit for a desired period of time, the cyclic data unit including desired data that is also transferred,~~

~~processing the cyclic data unit by enabling a client that receives the cyclic data unit from a server to determine that the cyclic data unit contents were switched, and~~

~~control information whose contents are switched in accordance with the switching control information of said cyclic data unit is included in said the cyclic data unit, and~~

~~said cyclic data unit switching wherein processing the cyclic data is realized by setting a control information change event which denotes that said the control information has been received under a standard of a predetermined interface, and~~

~~thereafter, executing at least~~ -

~~a first process for allowing the client to transmit a subscribe event to said the server to indicate a reception of said the control information change event to said the server, a second process for allowing the client to transmit an event notice request to request arequesting notification of a generation of an event to the server, and~~

~~a third process for notifying the client of a fact that the control information change event has been generated when the changed control information is received as a response of by the server in response to said the event notice request.~~

3. (currently amended) A data transmission control method according to claim 2, ~~characterized in that the wherein~~

transmission of said the subscribe event as said first process is executed when the contents of said the cyclic data unit are switched.

4. (currently amended) A data transmission control method according to claim 2, characterized in that the wherein transmission of said the subscribe event as said first process is executed when a program of said the client is activated.

5. (currently amended) A data transmission control method according to claim 2, characterized in that wherein after said the server notifies said the client of the generation of said the control information change event by said third process, said the client continuously uses the cyclic data unit before said the control information change event in said third process is generated within a predetermined period of time until a release request of the cyclic data unit corresponding to said changed control information is transmitted to said the server.

6. (cancelled)

7. (currently amended) A data transmission control method, according to claim 6, characterized in that comprising:
repetitively transferring a cyclic data unit, the
cyclic data unit including one or more data transmission units
that are to be transferred for a predetermined period of time,
each data transmission unit including an object that is related
by a scenario description of a predetermined system, and
processing the cyclic data unit by enabling a client
that receives the cyclic data unit from a server to be notified
that the object has been updated, and
wherein control information whose contents are updated
in accordance with the updating of said the object and relates

to said—the data transmission unit is included in said—the cyclic data unit, and

said object updating notifying processing step is realized including by setting a control information updating event which denotes that said—the control information has been received under a standard of a predetermined interface, and

thereafter, executing at least —

a first process for allowing the client to transmit a subscribe event to subscribe—a indicate reception of said—the control information updating event to said—the server,

a second process for allowing the client to transmit an event notice request to request—a requesting notification of a generation of an event to the server, and

a third process for notifying the client of a fact that the control information updating event has been generated when the updated control information is received as a response of—by the server to said—the event notice request.

8. (currently amended) A data transmission control method according to claim 7, characterized in that wherein said third process adds identification information of the data transmission unit shown by the updated control information and notifies the client of a fact that a control information receiving event has been generated.

9. (currently amended) A data transmission control method according to claim 7, characterized in that said wherein the method further is constructed in a manner such that the transmission of comprises transmitting said—the subscribe event as part of said first process is executed when a program of said the client is activated or when said—the cyclic data unit itself is switched.

10. (currently amended) A data transmission control method according to claim 7, ~~characterized in that said the method comprising is constructed in a manner such that after a response message for said event notice request from said server was obtained, the event notice request as executing said second process is immediately executed after a response message for said event notice request from said server is obtained.~~

11. (currently amended) A data transmission control method according to claim 67, ~~characterized in that wherein the said method is constructed in a manner such that further comprises:~~

~~including control information regarding the data transmission unit whose contents are updated in accordance with an updating of the object which belongs thereto is included in said the cyclic data unit, and~~

~~said object updating notifying processing step executes at least -~~

~~a first process for allowing the client to transmit a subscribe event to subscribe a indicating reception of a control information updating event to the server,~~

~~a second process for allowing the client to notify the server side of an object ID of an interesting object of interest and allowing the server side to return a data transmission unit ID of the data transmission unit to which corresponds to the notified object belongs of interest to the client,~~

~~a third process for allowing the client to form table information showing a correspondence between the object ID notified to the server side by said second process and the data transmission unit ID obtained from the server side by said second process,~~

~~a fourth process for allowing the client to transmit an event notice request to request a requesting notification of a~~

~~generation of an event generation~~ to the server,

a fifth process for adding the data transmission unit ID shown by the updated control information when the updated control information is received by the server ~~as a~~ in response ~~process to said the~~ event notice request in ~~said the~~ server and notifying the client of a generation of the control information updating event, and

a sixth process for allowing the client to search the data transmission unit ID of the table information which coincides with the data transmission unit ID obtained by said fifth process and specifying that the object shown by the object ID corresponding to ~~said the~~ searched data transmission unit ID has been updated.

12. (currently amended) A data transmission control method according to claim 11, ~~characterized in that said method is constructed in a manner such that~~ wherein the transmission of the subscribe event as said first process is executed when a program of the client is activated or when ~~said the~~ cyclic data unit ~~itself~~ is switched.

13. (currently amended) A data transmission control method according to claim 11, ~~characterized in that said method is constructed in a manner such that~~ wherein after a response message to the event notice request from ~~said the~~ server was obtained, ~~the event notice request as~~ said fourth process is immediately executed.

14. (currently amended) A data transmission control method according to claim 67, ~~characterized in that said method is constructed in a manner such that~~ wherein control information regarding the data transmission unit whose contents are updated in accordance with an updating of the object which belongs

thereto is included in said the cyclic data unit, and
said object updating notifying process executes -
a first process for allowing the client to transmit a
subscribe event to subscribe a request reception of a data
transmission unit updating event to the server together with an
object ID of an interesting object of interest and allowing the
server to set a peculiar data transmission unit updating event
ID in response to it the request and transmitting said the data
transmission unit updating event ID to the client,

a second process for allowing the client to form table
information showing a correspondence between the object ID
transmitted to the server side by said first process and the
data transmission unit updating event ID obtained from the
server side by said first process,

a third process for allowing the client to transmit an
event notice requesting to request a notification of a
generation of a the data transmission unit updating event to the
server,

a fourth process for adding said data transmission unit
updating event ID shown by the updated control information and
set in correspondence to the object ID of the object included in
the data transmission unit when the updated control information
is received as a response to said event notice request in said
the server and notifying the client of a generation of the data
transmission unit updating event, and

a fifth process for allowing the client to identify the
object ID of the data transmission unit updating event ID of
said the table information which coincides with the data
transmission unit updating event ID obtained by said fourth
process and specifying the object shown by said identified
object ID as an updated object.

15. (currently amended) A data transmission control

method according to claim 14, characterized in that wherein said the method further comprises executing is constructed in a manner such that after a response message for the event notice request from the server was obtained, the event notice request as said second process is immediately after a response message for the event notice request from the server is obtained executed.

16. - 22. (cancelled)

23. (currently amended) A method of transmitting multimedia data, comprising: transmitting method according to claim 16,

constructing an event notice using time information and an event name, the time information including a code at a defined position that shows immediate generation of an event; and

generating the code at the defined position of the time information of the event immediately when the event is intended to be generated and transmitted, and

-wherein when there are a plurality of said events, said the plurality of events are grouped every event for data as based on a same target, and when event information of a plurality of groups is simultaneously transmitted, a plurality of event information of each said every group is merged as one event packet and transmitted.

24. - 27. (cancelled)